

Gardening for Diversity

By Tony Avent

Plant Delights Nursery (plantdelights.com) @ Juniper Level Botanical Garden (JLBG.org)

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1 Habits and Habitats
2 Juniper Level Botanic Garden 1986
3 9241 gdn by road looking south w/Yucca rostrata, Rudbeckia fulgida, etc.

4 9249 Sunken Garden
5 9249 Mt Michelle border from west

6 9249 rockery
7 9249 patio garden in summer

8 2004 9249 from drive to house

9 9249 Waterfall
10 Dryland welcome berm
11 Crevice Garden
12 Crevice Garden
13 Cattail bridge in winter
17 Tephrosia spicata 'Awakening' (Fabaceae)
18 Habitat Criteria
19 Climate
22 Earth's Climatic history
23 800,000 years ago to today
24 USDA Plant Hardiness Zone Map 2023
25 Gunnera tinctoria @ Hamburg, Germany
26 Microbiota decussata 'Prides'
27 Lagerstroemia fauriei @ JLBG
28 Helleborus lividus
29 Musa haekkinenii
30 Sabal minor 'Pittsview'
31 Trachycarpus fortunei 'Columbus'
32 Extremes and Duration
33 Tony Cerbone garden, Dallas, TX after -2 F (2020/2021 winter)
34 Temperature variations
35 Picea pungens 'Bonny Blue'
36 Precipitation/Moisture
37 Araucaria araucana @ Univ. of Washington
38 Araucaria araucana x angustifolia in Raleigh

39 Aloe aristata
40 Lithops aucampiae
41 Cyclamen hederifolium JLBG-171
42 Cyclamen hederifolium JLBG-189
43 Microclimates
44 Cycas taitungensis microclimate
45 Scattered snow around garden
46 Rock wall snow melt
47 Light

48 JLBG Dryland welcome berm
49 Garden office @ JLBG
51 *Pyrrosia lingua* 'Hiryu'
52 *Franklinia alatamaha*
53 *Franklinia alatamaha*
54 *Picea rubens*
55 *Hepatica acutiloba*
56 Soil and Soil Surface - Microbial, Chemical, Physical
57 Red clay
58 Sandy loam
59 compost
60 Washed stone gravel
61 Permatill
62 Dryland berm construction
63 Soil Surfaces - getting into phytes
64 *Tillandsia usneoides* (epiphyte)
65 *Epidendrum conopseum* (epiphyte)
66 *Polypodium appalachianum* on tree (epiphyte)
67 *Polypodium appalachianum* on rock (Epilithic Lithophyte)
68 *Astrolepis sinuata* (Epilithic Lithophyte)
69 *Pleione 'Alishan'* (Epilithic Lithophyte)
70 Chasmophytes on Arkansas crevice uplift
71 Natural crevice garden with pinus
72 *Athamanta turbith* v. *haynaldii* (chasmophyte)
73 *Digitalis laevigata* (chasmophyte)
74 *Origanum sipyleum* (chasmophyte)
75 *Sempervivum 'Silber Karneol'* (chasmophyte)

76 *Cyclamen hederifolium* var. *crassifolium* (chasmophyte)
77 *Cyclamen persicum* (chasmophyte)
78 *Cheilanthes wootonii* (chasmophyte)
79 *Bommeria hispida* 'Gila Dwarf' (chasmophyte)
80 *Asplenium trichomanes* var. *quadrivalens* (chasmophyte)
81 *Carex fraseriana* (possible chasmophyte)
82 *Panicum virgatum* 'Gunsmoke' (halophyte)
83 *Typha latifolia* 'Variegata' (halophyte)
84 *Crambe maritima* (halophyte)
85 *Goniolimon 'Salt Spray'* (halophyte)

86 *Trichocereus 'Love Child'* (xerophyte)
87 *Agave parryi* ssp. *Huachucensis* 'Excelsior' (xerophyte)
88 *Nelumbo* (hydrophyte)

89 *Peltandra virginica* 'Purpliscious' (hygrophytes)

90 *Sarracenia 'Fiona'* (hygrophyte)
91 *Aquilegia canadensis* (calciphyte)
92 *Erigeron pulchellus* 'Meadow Muffin' (calciphyte)
93 *Adiantum capillus-veneris* (thermophyte, chasmophyte)
94 Habitat creation
95 JLBG 12 bog by greenhouse
96 9249 front porch bog just planted
97 Souto rock bog integrating chasmophytes and hygrophytes
98 Souto Rock Bog construction

- 99 Driveway concrete stacked
- 100 Crevice garden construction

- 101 Crevice garden section 1
- 103 Crevice garden section 2
- 105 *Daphne collina*
- 106 *Delosperma cooperi*, *Delosperma 'Kelaidis'*
- 107 *Delosperma sutherlandii* (Aizoaceae)
- 108 *Echinocereus coccineus* (Cactaceae)
- 109 *Echinocereus reichenbachii* (Cactaceae)
- 110 *Echinocereus x roetteri* (Cactaceae)

- 111 *Echinocereus (triglochidiatus x reichenbachii)* (Cactaceae)
- 112 *Escobaria vivipara* ssp. *Vivipara* (Cactaceae)
- 113 *Pediocactus knowltonii* (Cactaceae)
- 114 *Dianthus arenarius* (Caryophyllaceae)
- 115 *Dianthus 'White Crown'* (Caryophyllaceae)
- 116 *Iris 'Sand Dancer'* -Arilbred (Iridaceae)
- 117 *Iris 'Bold Awakening'* Arilbred (Iridaceae)
- 118 *Penstemon baccharifolius* (Plantaginaceae)
- 119 *Digitalis obscura* (Plantaginaceae)
- 120 Intolerant of winter rain
- 121 *Aloinopsis rosulata* (Aizoaceae)
- 122 *Cotyledon cuneata* (Crassulaceae)
- 123 *Draba athoa* (Brassicaceae) and *Dudleya saxosa* var. *collimiae*

- 125 *Agave x americana* var. *expanse* in Italy
- 126 *Agave x protamericana* '*Silver Surfer*'
- 127 *Agave*, *Mangave* trials
- 128 Discover the Pleasure of Plants